

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1-52. (Previously Cancelled)

53. (Previously Presented) A method, comprising:

receiving a host command at a haptic-feedback device, said haptic-feedback device providing a haptic feedback force, the haptic-feedback device configured to provide input data to control a graphical object in a graphical environment on a display screen;

determining, with said haptic feedback device, whether the host command includes a filter command having a command parameter, said command parameter including information operated upon by said haptic feedback device to modify said input data to define modified input data to reduce a visual disturbance of the graphical object;

producing said modified input data in response to said filter command being present; and transmitting said modified input data to said graphical environment.

54. (Previously Cancelled)

55. (Currently Amended) A method, comprising:

receiving a host command at a haptic-feedback device, said haptic-feedback device providing a haptic feedback force, the haptic-feedback device configured to provide input data to control a graphical object in a graphical environment on a display screen;

determining, with said haptic feedback device, whether said host command includes a filter command having a command parameter, said command parameter including information

operated upon by said haptic feedback device to modify the input data to define [[the]] a modified input data;

producing said modified input data by time-averaging said input data; and

transmitting the modified input data to the graphical environment to reduce a visual disturbance of the graphical object.

56. (Currently Amended) A method, comprising:

receiving a host command at a haptic-feedback device providing a haptic feedback force, the haptic-feedback device configured to provide input data to control a graphical object in a graphical environment shown on a display screen;

determining, with said haptic feedback device, whether the host command includes a filter command having a command parameter, the command parameter including information operated upon by said haptic feedback device to modify the input data to define [[the]] a modified input data;

producing said modified input data by sampling and holding information corresponding to movement of the haptic-feedback device; and

transmitting the modified input data to the graphical environment to reduce a visual disturbance of the graphical object.

57-60. (Previously Cancelled)

61. (Currently Amended) A method, comprising:

receiving a host command having a command identifier and a command parameter at a haptic-feedback device;

outputting a haptic-feedback force from the haptic-feedback device based on the host command;

determining, with said haptic feedback device, whether said command parameter includes a filter command selected from a set of filter commands being one of activating a filter routine or disabling the filter routine, with said filter routine being one of having a jolt filter routine, a vibration filter routine or a spatial filter routine;

modifying ~~[[said]]~~ input data in response to the command parameter to define ~~[[the]]~~ a modified input data;

transmitting the modified input data to ~~[[the]]~~ a graphical environment to reduce a visual disturbance of the graphical object; and

updating the graphical environment based on the modified input data ~~filtered sensor data~~.

62-68. (Previously Cancelled)

69. (Previously Presented) The method of claim 53, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

70. (Previously Cancelled)

71. (Currently Amended) The method of claim 53, wherein the determining ~~input data~~ is performed by a processor local to the haptic-feedback device.

72-73. (Previously Cancelled)

Claims 74-76. (Currently Cancelled)

77. (Previously Presented) The method of claim 53, wherein the determining further includes executing a driver on a processor configured to be in the haptic-feedback device.

78. (Previously Presented) The method of claim 53, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.

79. (Previously Presented) The method of claim 55, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

80. (Previously Cancelled)

81. (Currently Amended) The method of claim 55, wherein the determining ~~of the input data~~ is performed by a processor local to the haptic-feedback device.

82-83. (Previously Cancelled)

84. (Previously Presented) The method of claim 55, wherein the determining includes executing a driver on a processor in the haptic-feedback device.

85. (Previously Presented) The method of claim 55, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.

86. (Previously Presented) The method of claim 56, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

87. (Previously Cancelled)

88. (Previously Presented) The method of claim 56, wherein the determining is performed by a processor local to the haptic-feedback device.

89-90. (Previously Cancelled)

91. (Previously Presented) The method of claim 56, wherein the determining further includes executing a driver on a processor in the haptic-feedback device.

92. (Previously Presented) The method of claim 56, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.

93. (Previously Presented) The method of claim 61, further comprising determining a position of the graphical object in the graphical environment based on the modified input data.

94. (Previously Cancelled)

95. (Previously Presented) The method of claim 61, wherein the determining is performed by a processor local to the haptic-feedback device.

96-97. (Previously Cancelled)

98. (Previously Presented) The method of claim 61, wherein the determining further includes executing a driver on a processor in the haptic-feedback device.

99. (Previously Presented) The method of claim 61, further comprising updating a position of the graphical object in the graphical environment based on the modified input data.

100-101. (Previously Cancelled)